DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

OFFICE OF DESIGN POLICY & SUPPORT INTERDEPARTMENTAL CORRESPONDENCE

FILE P.I. #722030-

OFFICE Design Policy & Support

NH000-0001-04(060)

Clayton County

GDOT District 7 - Metro Atlanta

SR 3/US 19/US 41 from south of

CR 504/Tara Road to south of SR 54

Widening and Improvements

DATE April 26, 2016

FROM

for Brent Story, State Design Policy Engineer

TO SEE DISTRIBUTION

SUBJECT APPROVED LOCATION & DESIGN REPORT

Attached is the approved Location and Design Report with Notice of Location & Design Approval for the above subject project.

Attachment

DISTRIBUTION:

Hiral Patel, Director of Engineering

Joe Carpenter, Director of P3/Program Delivery

Genetha Rice-Singleton, Assistant Director of P3/Program Delivery

Albert Shelby, State Program Delivery Engineer

Darryl VanMeter, State Innovative Delivery Engineer

Bobby Hilliard, Program Control Administrator

Cindy VanDyke, State Transportation Planning Administrator

Eric Duff, State Environmental Administrator

Bill DuVall, State Bridge Engineer

Andrew Heath, State Traffic Engineer

Angela Robinson, Financial Management Administrator

Lisa Myers, State Project Review Engineer

Andy Casey, State Roadway Design Engineer

Attn: Joshua Taylor, Design Group Manager

Richard Cobb, Location Bureau Chief

Kathy Zahul, District Engineer

Scott Lee, District Preconstruction Engineer

Scott Lee for District Planning & Programming Engineer

Lankston Johnson, Area Engineer - D7, A3

Xavier James, Project Manager

BOARD MEMBER - 13th Congressional District

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

INTEROFFICE CORRESPONDENCE LOCATION AND DESIGN REPORT

FILE	P.I. 722030	OFFICE	Program Delivery						
	Clayton County SR 3/US 19/US 41 FROM S OF CR 504/TARA RD TO S OF SR 54	DATE	April 7, 2016						
FROM	WAlbert V. Shelby, III, State Program D	Delivery Engi	neer albet Shilby						
то		Brent Story, State Design Policy Engineer/Attn: Dave Peters, State Conceptual Design							
SUBJEC.	T Request for Location and Design A	Approval							
Description and Project Proposal: This project consists of the widening and reconstruction of 3.32 miles of the US 19/41/SR 3 existing 4-lane rural section into a 6-lane urban section. The project begins approximately 1,355' south of the Tara Road and ends before the intersection of SR 54 at US 19/41/SR 3. The project lies entirely within Clayton County beginning approximately 2 miles north of Lovejoy and ending in Jonesboro. The project extends the existing 6-lane section from just south of SR 54 southward until Tara Road where the traffic volumes decrease by 15 percent. The SR 3/US 19/41/Tara Boulevard corridor will widen in the median northbound from the beginning of the project to South Main Street. Widening for approximately 2.5 miles from South Main Street to South Avenue will proceed to the outside edge of pavement. Southbound widening will only occur outside the existing edge of pavement from Tara Road to South Avenue. The current design speed will remain 55 mph from the beginning of the project to the Same for the project. The typical section will include a 10' shared use path adjacent to the southbound lanes from Tara Road to Deputy Rick Daly Memorial Boulevard. The 10' shared use path will transition to a 5' sidewalk north of the intersection with Deputy Rick Daly Memorial Boulevard and will tie to the sidewalk at SR 54 being constructed under PI 721440. In addition, the typical section will also include a 5' sidewalk adjacent to the northbound lanes from South Main Street to South Avenue.									
Concept A	pproval Date: March 21, 2014.								
Concept U	pdate: N/A								
	ental Document: Type: GEPA Approv	al Date: N/	A						
Temporary	State Route Needed: 🛛 No	☐ Yes	Undetermined						
	olvement: A Public Information Open F School located at 1251 Mundv's Mill Roa								

people who attended the meeting and twelve comments were registered.

The statistics are as follows:

Number Opposed = 1 Number In Support = 7 Uncommitted = 3 Conditional = 1

Comments provided by respondents included concerns about the use of tax money on the project, property impacts, the need for additional traffic lights at Freeman Road, Iris walk, and Betty Talmadge Avenue, and concerns about pedestrian safety, including a need for crosswalks with signals and lighting along the corridor.

MAJOR CONCERNS: No major concerns

OFFICIALS:

No officials attended the meeting.

The northbound sidewalks were added to the project as a result of the meeting.

Consistency with Approved Planning: The design description as presented herein and submitted for approval is consistent with the approved Concept Report.

Recommendations: Recommend that the location and design for the project be approved and that the attached Notice be approved for advertising.

Concur: Hallatel

GDOT Director of Engineering

Approve: 4.22.
GDOT Chief Engineer Dat

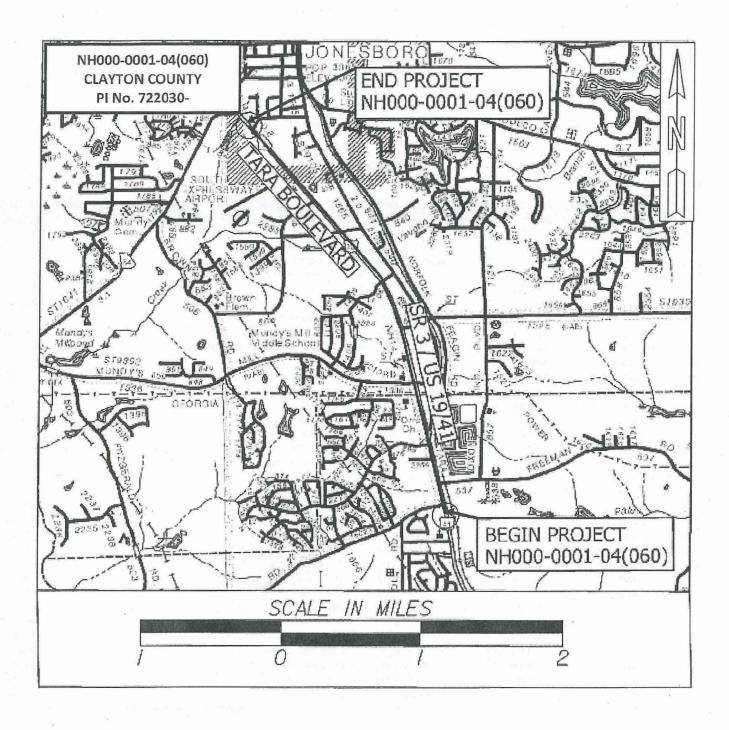
April 26, 2016.

DATE OF LOCATION AND DESIGN APPROVAL:

Attachments:

- Sketch Map
- Construction Cost Estimate
- Notice of Location and Design Approval

PROJECT LOCATION



DETAILED COST ESTIMATE



Job: 722030-

JOB NUMBER: 722030-

FED/STATE PROJECT NUMBER

NH000-0001-04(060)

SPEC YEAR: 01

DESCRIPTION: SR 3/US 19/41 FM TARA RD. TO NORTH CR 1337/FLINT RIVER RD.

ITEMS FOR JOB 722030-

0010 - ROADWAY ITEMS

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0280	150-1000	1,000	LS	\$850,000.00000	TRAFFIC CONTROL - NH000-0001-04(060)	\$850,000.00
0455	153-1300	1.000	EA	\$77,701.61293	FIELD ENGINEERS OFFICE TP 3	\$77,701.61
0285	201-1500	1.000	LS	\$3,000,000,00000	CLEARING & GRUBBING - NH000-0001-04(060)	\$3,000,000,00
0385	310-1101	45255,000	TN	\$17.96686	GR AGGR BASE CRS, INCL MATI.	\$813,090.25
0435	318-3000	1000,000	TN	\$17.36527	AGGR SURF CRS	\$17,365.27
0390	400-3206	8089,000	TN	\$95,00000	ASPH CONC 12.5 MM OGFC,GP 2,INCL PMBM&HL	\$768,455.00
0400	402-3121	16947.000	TN	\$61,43792	RECYL AC 25MM SP.GP1/2,BM&HL	\$1,041,188,43
0395	402-3127	17108.160	TN	\$85,00000	RECYL AC 12.5MM SP,GP2,REINF,BM&HL	\$1,454,193.60
0405	402-3190	8919,000	TN	\$65.74575	RECYL AC 19 MM SP,GP 1 OR 2 ,INC BM&HL	\$586,386.34
0410	413-1000	24988.670	GL	\$2,29440	BITUM TACK COAT	\$57,334.00
0415	432-0206	108223,000	SY	\$1,07173	MILL ASPH CONC PVMT/ 1.50" DEP	\$115,985.84
0300	441-0104	25566,180	SY	\$20.06748	CONC SIDEWALK, 4 IN	\$513,048.81
0305	441-0740	4104.000	SY	\$21.15705	CONC MEDIAN, 4 IN	\$86,828.53
0420	441-6012	52344.000	LF	\$9,52704	CONC CURB & GUTTER/ 6"X24"TP2	\$498,683.38
0315	511-1000	22107,000	LB	\$0,86595	BAR REINF STEEL	\$19,143.56
0320	550-1180	28521,000	LF	\$29.87803	STM DR PIPE 18",H 1-10	\$852,151.29
0325	550-1240	8386,000	LF	\$35.69001	STM DR PIPE 24",H 1-10	\$299,296.42
0330	550-1300	979.000	LF	\$54.47616	STM DR PIPE 30",H 1-10	\$53,332.16
0340	550-1360	1890,000	LF	\$60,71216	STM DR PIPE 36",H 1-10	\$114,745.98
0335	550-1420	1013,000	LF	\$75.59961	STM DR PIPE 42",H 1-10	\$76,582.40
0345	550-2180	546.000	LF	\$28.56465	SIDE DR PIPE 18",H 1-10	\$15,596.30
350	550-4118	14.000	EA	\$243,58131	FLARED END SECT 18 IN, SIDE DR	\$3,410.14
355	550-4218	11,000	EA	\$489,70196	FLARED END SECT 18 IN, ST DR	\$5,386.72
360	550-4224	3,000	EA	\$590.59124	FLARED END SECT 24 IN, ST DR	\$1,771.77
0365	550-4230	2.000	EA	\$708.20396	FLARED END SECT 30 IN, ST DR	\$1,416.41
370	550-4242	1.000	EA	\$1,456.36409	FLARED END SECT 42 IN, ST DR	\$1,456,36
0430	603-2024	595.000	SY	\$43.29223	STN DUMPED RIP RAP, TP 1, 24"	\$25,758,88
1425	603-2181	5345,000	SY	\$30,22247	STN DUMPED RIP RAP, TP 3, 18"	\$161,539.10
0440	641-1200	9324,000	LF	\$15,57364	GUARDRAIL, TP W	\$145,208.62
)450	641-5001	14.000	EA	\$764.55700	GUARDRAIL ANCHORAGE, TP 1	\$10,703,80
)445	641-5012	14.000	EA	\$1,959.71272	GUARDRAIL ANCHORAGE, TP 12	\$27,435.98
375	668-1100	215,000	EA	\$2,116.94915	CATCH BASIN, GP 1	\$455,144.07
380	668-2100	81,000	EA	\$1,633,36491	DROP INLET, GP 1	\$132,302.56
					SUBTOTAL FOR ROADWAY ITEMS:	\$12,282,643.58

DETAILED COST ESTIMATE



Job: 722030-

0020 - PERMANENT EROSION CONTROL

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0150	163-0240	35,250	TN	\$251.81025	MULCH	\$8,876.31
0155	167-1000	2,000	EA	\$199.71687	WATER QUALITY MONITORING AND SAMPLING	\$399.43
0160	167-1500	30,000	МО	\$372.59965	WATER QUALITY INSPECTIONS	\$11,177.99
0165	700-6910	11.750	AC	\$513.78515	PERMANENT GRASSING	\$6,036.98
0170	700-7000	23.500	TN	\$77.02915	AGRICULTURAL LIME	\$1,810,19
0175	700-8000	3,000	TN	\$538.73893	FERTILIZER MIXED GRADE	\$1,616.22
0180	700-8100	587.500	LB	\$2,09167	FERTILIZER NITROGEN CONTENT	\$1,228.86
0190	716-2000	148169.000	SY	\$0.73075	EROSION CONTROL MATS, SLOPES	\$108,274.50
					SUBTOTAL FOR PERMANENT EROSION CONTROL:	\$139,420.48

0030 - TEMPORARY EROSION CONTROL

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT .
0205	163-0232	5.900	AC	\$71.53986	TEMPORARY GRASSING	\$422.09
0200	163-0300	11.000	EA	\$1,071.52072	CONSTRUCTION EXIT	\$11,786.73
0215	163-0520	84,000	LF	\$15.42746	CONSTR AND REMOVE TEMP PIPE SLOPE DRAIN	\$1,295.91
0220	163-0527	40.000	EA	\$250,00000	CNST/REM RIP RAP CKDM,STN P RIPRAP/SN BG	\$10,000.00
0225	163-0528	9370.747	LF	\$3,00000	CONSTR AND REM FAB CK DAM - TP C SLT FN	\$28,112.24
0230	163-0550	294,000	EA	\$127.32385	CONS & REM INLET SEDIMENT TRAP	\$37,433.21
0235	165-0010	4857.000	LF	\$0.43839	MAINT OF TEMP SILT FENCE, TP A	\$2,129.26
0240	165-0030	6489.000	LF	\$0.55856	MAINT OF TEMP SILT FENCE, TP C	\$3,624.50
0245	165-0041	4686,000	LF	\$1.00000	MAINT OF CHECK DAMS - ALL TYPES	\$4,686.00
0255	165-0101	11.000	EA	\$523.24615	MAINT OF CONST EXIT	\$5,755.71
0260	165-0105	294.000	EA	\$33,29861	MAINT OF INLET SEDIMENT TRAP	\$9,789.79
0265	171-0010	9713.000	LF	\$1.37253	TEMPORARY SILT FENCE, TYPE A	\$13,331.38
0270	171-0030	12977,000	LF	\$2,49415	TEMPORARY SILT FENCE, TYPE C	\$32,366.58
0275	643-8200	3825.000	LF	\$1.11265	BARRIER FENCE (ORANGE), 4 FT	\$4,255.89
					SUBTOTAL FOR TEMPORARY EROSION CONTROL:	\$164,989.29

0050 - TRAFFIC SIGNALS

Line Numbe	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0005	001-0000	1.000	\$	\$110,000.00000	MISC ITEMS TRAFFIC SIGNAL - TARA RD.	\$110,000.00
0010	001-0000	1.000	\$	\$110,000.00000	MISC ITEMS TRAFFIC SIGNAL - S. MAIN ST.	\$110,000.00
0015	001-0000	1.000	\$	\$110,000.00000	MISC ITEMS TRAFFIC SIGNAL - MUNDY'S MILL RD.	\$110,000.00
0020	001-0000	1,000	\$	\$110,000,00000	MISC ITEMS TRAFFIC SIGNAL - POSTON RD.	\$110,000.00
0025	001-0000	1.000	\$	\$110,000,00000	MISC ITEMS TRAFFIC SIGNAL - POST WAY	\$110,000.00
					SUBTOTAL FOR TRAFFIC SIGNALS:	\$550,000.00

DETAILED COST ESTIMATE



Job: 722030-

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0470	163-0540	27,000	EÁ	\$1,399,82417	CONST AND REM RETROFIT, STA NO - NH000-0001-04(060)	\$37,795.25
0475	163-0542	21.000	EA	\$455,72857	CONSTR & REM STONE FILTER RING	\$9,570.30
0465	165-0105	294.000	EA	\$33,29861	MAINT OF INLET SEDIMENT TRAP	\$9,789.79
0480	165-0111	21.000	EA	\$101.77690	MAINT OF STONE FILTER RING	\$2,137.31
0565	205-0001	65497.000	CY	\$6,16600	UNCLASS EXCAV	\$403,854.50
0570	206-0002	2483,000	CY	\$3,60224	BORROW EXCAV, INCL MATL	\$8,944.36
0575	402-1812	1179,000	TN	\$74.59471	RECYL AC LEVELING, INC BM&I IL	\$87,947.16
0309	500-3101	74.000	ĊY	\$795.53444	CLASS A CONCRETE	\$58,869.55
0459	500-3200	31,970	CY	\$416,32864	CL B CONC	\$13,310.03
0495	603-7000	5940000.000	SY	\$2,48590	PLASTIC FILTER FABRIC	\$14,766,246.00
0310	610-0714	596.000	SY	\$50,00000	REM CONC MEDIAN	\$29,800.00
0560	636-1014	1565,000	SF	\$22,00000	HWY SGN,TP1MAT,REFL SH TP 1	\$34,430.00
0555	636-2070	3198.000	LF	\$4.97183	GALV STEEL POSTS, TP 7	\$15,899.91
0540	652-0094	4,000	EA	\$61,46244	PVMT MARKING, SYMBOL, TP 4	\$245.85
0550	652-0170	8,000	EA:	\$75,00000	PAVEMENT MARKING, ARROW, TP 7	\$600,00
0530	653-0110	8,000	EA	\$72,38337	THERM PVMT MARK, ARROW, TP 1	\$579.07
0535	653-0120	103.000	EA	\$74,38253	THERM PVMT MARK, ARROW, TP 2	\$7,661.40
0545	653-0210	6.000	EA	\$105.49709	THERM PVMT MARK, WORD, TP 1	\$632.98
0505	653-1501	46527.000	LF	\$0,35355	THERMO SOLID TRAF ST 5 IN, WHI	\$16,449.62
0520	653-1704	6065,000	LF	\$4.37945	THERM SOLID TRAF STRIPE,24",WH	\$26,561.36
0510	653-2502	9,380	LM	\$1,608.35119	THERMO SOLID TRAF ST, 5 IN YE	\$15,086.33
0515	653-2804	18.060	LM	\$10,236.80194	THERM SOLID TRAF STRIPE, 8",WH	\$184,876.64
0500	653-3501	75737.000	GLF	\$0,22708	THERMO SKIP TRAF ST, 5 IN, WHI	\$17,198.36
0525	654-1003	2194.000	EA	\$3,22788	RAISED PVMT MARKERS TP 3	\$7,081.97
0460	668-3300	28.000	EΛ	\$2,345.59628	SAN SEW MANHOLE, TP 1	\$65,676.70
0485	711-0100	1831.000	SY	\$4.50000	TURF REINFORCING MATTING, TP 1	\$8,239,50
0490	716-2000	6201.000	SY	\$0,88394	EROSION CONTROL MATS, SLOPES	\$5,481.31
	· ·				SUBTOTAL FOR :	\$15,834,965.25

TOTALS FOR JOB 722030-

ITEMS COST:	\$28,972,018.60
COST GROUP COST:	\$0.00
ESTIMATED COST:	\$28,972,018.60
CONTINGENCY PERCENT:	0.00
ENGINEERING AND INSPECTION:	0.05
ESTIMATED COST WITH CONTINGENCY AND E&I:	\$30,420,619.53

PROJ. NO. P.I. NO.

DATE

DIESEL

LIQUID AC

NH000-0001-04(060) 722030

CALL NO.

INDEX (TYPE)

DATE | INDEX | Apr-16 | \$ 2.037

Link to Fuel and AC Index:

REG. UNLEADED

\$ 2.120 \$ 369.00 http://www.dot.ga.gov/PS/Materials/AsphaltFuelIndex

LIQUID AC ADJUSTMENTS

PA=[((APM-APL)/APL)]xTMTxAPL

Asphalt

Price Adjustment (PA)
Monthly Asphalt Cement Price month placed (APM)
Monthly Asphalt Cement Price month project let (APL)

4/6/2016

Max. Cap 60% \$ 590.40

\$ 369.00

565269.1812

\$

\$

565,269.18

23,762.61

Total Monthly Tonnage of asphalt cement (TMT)

2553.158

ASPHALT	To
Leveling	decreased and decreased at
12.5 OGFC	80
12.5 mm	1710
9.5 mm SP	
25 mm SP	16
19 mm SP	89
	510

Tons	%AC	AC ton
0	5.0%	0
8089	5.0%	404.45
17108.16	5.0%	855.408
0	5.0%	0.
16947	5.0%	847.35
8919	5.0%	445.95
51063.16		2553.158

BITUMINOUS TACK COAT

Price Adjustment (PA)
Monthly Asphalt Cement Price month placed (APM)
Monthly Asphalt Cement Price month project let (APL)
Total Monthly Tonnage of asphalt cement (TMT)

		\$ 23,762.61
Max. Cap	60%	\$ 590.40

\$ 369.00 107.3288596

Bitum Tack

Gals gals/ton 24988.67 232.8234 1

tons 107.32886

PROJ. NO.	NH000-0001-04(060)						CALL NO.				
P.I. NO.	722030									¥6	
DATE	4/6/2016										
			-								
BITUMINOUS TACK O	OAT (surface trea	atment)									
Price Adjustment (PA)							0	\$	No.	
Monthly Asphalt Cem	nent Price month	olaced (APM)		Max. Cap	60%	\$	590.40			
Monthly Asphalt Cem	nent Price month p	oroject let (A	APL)				\$	369.00			
Total Monthly Tonna	ge of asphalt cem	ent (TMT)						0			
Bitum Tack	SY	Gals/SY	Gals		gals/ton	tons					
Single Surf. Trmt.		0.20	0		232.8234	0					
Double Surf.Trmt.		0.44	0		232.8234	0					
Triple Surf. Trmt		0.71	0		232.8234	0					
					5	0					

\$

589,031.79

TOTAL LIQUID AC ADJUSTMENT

NOTICE OF LOCATION AND DESIGN APPROVAL

Clayton County P.I. No. 722030

Notice is hereby given in compliance with Georgia Code 22-2-109 and 32-3-5 that the Georgia Department of Transportation has approved the Location and Design of this project.

The date of location and design approval is: April 26, 2016 (Date to be inserted by the State Design Policy Engineer or his designee after approval by the Chief Engineer.)

This project consists of the widening and reconstruction of 3.32 miles of the US 19/41/SR 3 which lies entirely within Clayton County. The existing 4-lane rural section will widen to a 6-lane urban section. The SR 3/US 19/41/Tara Boulevard corridor will widen northbound in the median from the beginning of the project to South Main Street. Widening approximately 2.5 miles from South Main Street to South Avenue will proceed to the outside of the current travel way. Southbound widening will only occur outside the current travel way from Tara Road to South Avenue. The roadway will include a 10' shared use path used for pedestrians and bikes. The path will be adjacent to the southbound lanes from Tara Road to Deputy Rick Daly Memorial Boulevard. The 10' shared use path will transition to a 5' sidewalk north of the intersection with Deputy Rick Daly Memorial Boulevard and will tie to the sidewalk at SR 54 being constructed under PI 721440. In addition, the typical section will also include a 5' sidewalk adjacent to the northbound lanes from South Main Street to South Avenue. The current speed limit will remain the same for the project.

This project lies within Land Districts 5, 6, and 13 and encompasses Land Lots 32, 33, 34, 63, 64, 66, and 95.

Drawings or maps or plats of the proposed project, as approved, are on file and are available for public inspection at the Georgia Department of Transportation:

Lankston Johnson GDOT District 7, Area 3 Engineer lajohnson@dot.ga.gov 4125 Roosevelt Highway College Park, GA 30349 Telephone (404) 559-6699

Any interested party may obtain a copy of the drawings or maps or plats or portions thereof by paying a nominal fee and requesting in writing to:

Albert V. Shelby III
State Program Delivery Administrator
Attn: Xavier James, Project Manager
xjames@dot.ga.gov
Georgia Department of Transportation
600 West Peachtree Street, 25th Floor
Atlanta, GA 30308
Telephone (404) 631-1583

Any written request or communication in reference to this project or notice SHOULD include the Project and P. I. Numbers as noted at the top of this notice.